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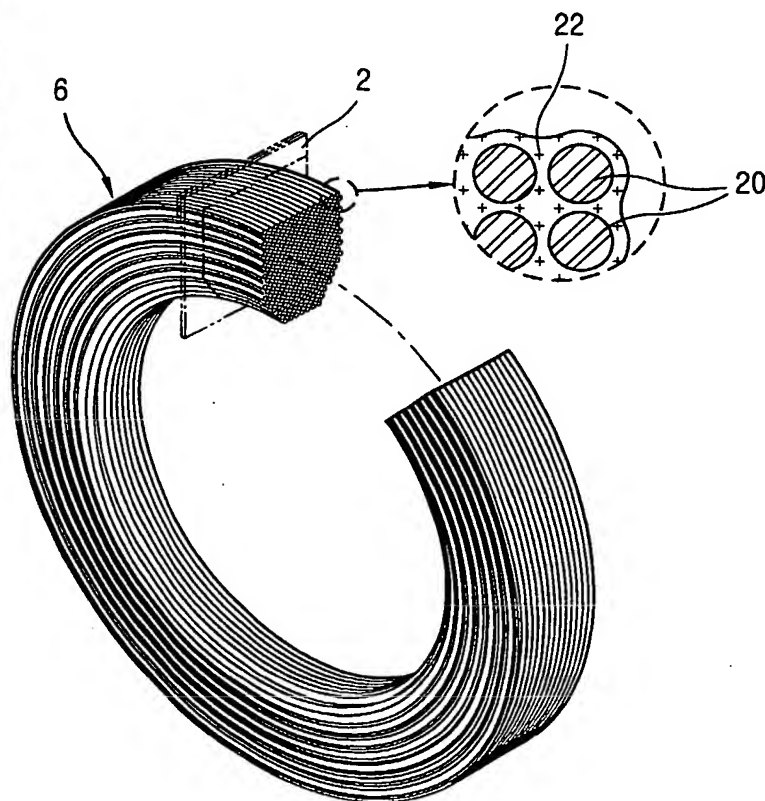
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[Continued on next page]

(54) Title: WINDING COIL ASSEMBLY OF RECIPROCATING MOTOR AND MANUFACTURING METHOD THEREOF



(57) Abstract: A winding coil assembly (6) of a reciprocating motor comprising: an outer stator; an inner stator (2) arranged at an inner circumference surface of the outer stator (2) with a certain air gap; a magnet linearly and movably arranged between the outer stator and the inner stator; and a winding coil (20) mounted on either the outer stator or the inner stator, wherein the winding coil (20) is formed as a ring shape by being wound a coil (20) with a plurality of turns, and the coil (20) is molded by a molding material (22). According to this, the coil (20) is prevented from being deformed at the time of winding operation and can be manufactured to have a minute dimension, so that the number of components can be reduced and thereby a manufacture cost can be reduced.

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